

Project Name:

Self Service Data Warehouse

OCIO Project #:

4

Department:

Office of the State Controller

Revision Date:

6/15/09

Concept Statement

Description

Brief description of the proposed project:

The self-service data warehouse project will provide the SCO with a centralized repository for stored data and a flexible, customizable front-end system for data retrieval. The data warehouse will incorporate all of SCO's data.

Need Statement

High Level Capabilities Needed:

The SCO has multiple systems implemented on mainframe, client-server, and PC platforms. Currently, data can be used/shared only through complex interfaces between disparate systems or must be manually extracted for manipulation, review and KDO. This data is vital to effective and efficient decision making at all levels of the SCO. A self-service data warehouse would allow for electronic access and use of SCO data that is readily available and consistent.

What is Driving This Need?

An improved service delivery expectation by the executive, judicial and legislative branches of CA state government, in addition to local governments, special districts and constituents who are all consumers of SCO's data drives the need for this system. The lack of a common data repository for data-mining and reporting that won't impact back-end transactional systems, nor require users to possess advanced technical database skills in order to access and/or retrieve mandated or requisite reports from SCO drives this need.

Risk to the Organization if This Work is Not Done:

The SCO will retain the current manually supported methods to extract data from business areas' stand-alone systems for managerial review and continue to run a high risk of data loss, lowered data quality, and higher infrastructure, overhead & support costs since archived data will remain scattered throughout the SCO's many systems.

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Benefit Statement

Intangible Benefits

Process Improvements

(describe the nature of the process improvement):

The self-service data warehouse will improve the ease with which constituents and SCO decision-makers can access the data necessary to make effective and fiscally responsible decisions. A self-service data warehouse requires SCO to improve information management policies and practices, raising the current levels of data-quality through process improvements.

Other Intangible Benefits:

Operations staff will have a more efficient means of supporting the data, the environment, disaster recovery strategies reducing costs for disparate hardware & software licensing and support contracts. Data storage costs for the many SCO systems would be reduced due to consolidation of the SCO's data into one central repository.

Tangible Benefits

Revenue Generation

(describe how revenue will be generated):

The Self-Service Data Warehouse is not a revenue generation system.

Cost Savings

(describe how cost will be reduced):

Operations staff will have a more efficient means of supporting the data, the environment, disaster recovery strategies reducing costs for disparate hardware & software licensing and support contracts. Data storage costs for the many SCO systems would be reduced due to consolidation of the SCO's data into one central repository.

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Cost Avoidance (describe the cost and how avoided):

The efficiency of the self-service data warehouse will result in a cost avoidance to acquire additional PYs necessary to support the ever-expanding expectation & requirement to retrieve & report SCO data for improved fiduciary management of the State's financial resources, as consumed by vested stakeholders such as DOF, the Legislature, and other governmental decision-making entities.


Risk Avoidance (describe the risk and how avoided):

The efficiency of the self-service data warehouse will result in a risk avoidance of providing untimely, incomplete or unanticipated SCO data to the vested stakeholders such as DOF, the Legislature, and other governmental decision-making entities. It will also result in a risk avoidance of data loss or corruption due to unsupported, obsolescent data stores of mission critical data essential to the responsible fiduciary management of the State's resources.

Improved Services:

The efficiency of the self-service data warehouse will result improved information management policies and practices enabling a more timely & responsible decision making benefitting the overall stewardship of the State's resources by governmental decision-making entities.

Consistency

"No" Responses 		Rationale	Action Required
Enterprise Architecture	Yes	TBD consistent with SCO's & OCIO's EA standards.	Prioritization of resources & funds availability.
Business Plan	Yes	TBD consistent with SCO's newly released Strategic Plan.	Prioritization of resources & funds availability.
Strategic Plan	Yes	TBD consistent with SCO's newly released Strategic Plan.	Prioritization of resources & funds availability.

Impact to Other Agencies

Nature of Impact to Other Agencies

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Agency:

Describe the nature of the impact:

Significantly improved access to timely financial information impacting governmental agencies & departments entrusted with responsible fiduciary stewardship for the state of California.

Agency:

Describe the nature of the impact:

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Solution Alternatives

Alternative 1:

TBD

Technical Considerations for Alternative 1:

Same as above.

ROM Cost:

to

Note: high end of range must not exceed 200% of low end of range

Alternative 2:

TBD

Technical Considerations for Alternative 2:

Same as above.

ROM Cost:

to

Note: high end of range must not exceed 200% of low end of range

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Alternative 3:

TBD

Technical Considerations for Alternative 3:

Same as above.

ROM Cost:

to

Note: high end of range must not exceed 200% of low end of range

Recommendation

Comparison:

Alternative 1	ROM Cost	Risk
	\$0 - \$0	
Alternative 2	ROM Cost	Risk
	\$0 - \$0	
Alternative 3	ROM Cost	Risk
	\$0 - \$0	

Conclusions:

1	TBD
2	
3	
4	

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Recommendation:

SCO recommends the OCIO, DOF & DTS support this concept and work in partnership with the SCO for the development of the proposed data warehouse.

Concept Approach (if known)

System Complexity:			System Business Hours: (e.g., 24x7, 9am-5pm) :			
Architecture	<input type="checkbox"/> Mainframe	<input type="checkbox"/> Client Server	<input type="checkbox"/> Web Based	Num. of New Databases:		
Technology	<input type="checkbox"/> New	<input type="checkbox"/> New to Staff	<input type="checkbox"/> In-House Experience	Interfaces:		
Implementation	<input type="checkbox"/> Central Site	<input type="checkbox"/> Phased Roll-out			Num. of Sites:	
M & O Support	<input type="checkbox"/> Contractor	<input type="checkbox"/> Data Center	<input type="checkbox"/> Project	<input type="checkbox"/> Returned to Sponsor		
Procurement Approach: (consult with OSI Procurement Center)					Number of Procurements:	
Open Procurement?			Delegated Procurement?			
Scope of Contract	<input type="checkbox"/> Development <input type="checkbox"/> Implementation <input type="checkbox"/> M & O <input type="checkbox"/> Other:					
Anticipated Length of Contract:			Years / extensions for years			